

Notice of Allowability	Application No.	Applicant(s)	
	10/052,865	WALCOTT, HENRY O.	
	Examiner	Art Unit	
	Vincent Q Nguyen	2858	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Telephone interview 12/02/2004.
2. ☒ The allowed claim(s) is/are 1-18.
3. ☒ The drawings filed on 17 January 2002 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>12/02/2004</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other <u>V. Nguyen 12/02/04</u> |

VINCENT Q. NGUYEN
PRIMARY EXAMINER

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. J. E. McTaggart on December 2, 2004.

2. The application has been amended as follows:

In the specification page 3, line 11, after inductance, replace the period (.) with the commas (,).

In the specification page 8, lines 16, 20, 25 and 26, replace "14" with "16".

In the specification page 10, line 4, replace 18B with 20A.

In the specification page 12, at the end of line 19, replace the missed spelling "hiahg" with high.

Allowable Subject Matter

3. Claims 1-18 are allowed.

4. The following is an examiner's statement of reasons for allowance:

The prior art of record does not teach or suggest a frequency-compensated rage resistor module for deployment in conjunction with a low-voltage measuring instrument having a primary shield assembly of electrically-conductive material, surrounding the

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resistor, divided into two portions that are electrically insulated from each other: an ungrounded portion electrically connected to a first end of said resistor designated as the input end, and a ground portion electrically connected to the ground terminal of the measuring instrument; the two portions of the primary shield assembly being proportioned, dimensioned and arranged in a manner to enhance AC voltage measurement accuracy at high frequencies by virtue of high frequency compensation provided by a resultant pattern of capacitance between each portion of the primary shield assembly, as recited in the independent claim 1; a substantially non-inductive resistor of designated resistance, with an elongated body, having an input end connected to a high voltage under test and an output end connected to the input terminal of the low-voltage measuring instrument; a conductive surface facing the resistor and acting in the manner of a plate of a capacitor plate of which a second plate is formed by the resistor body, the conductive surface being connected to the high voltage under test and being configured and arranged to provide high frequency compensation of the resistor through neutralization of stray capacitance between the resistor and ground, as recited in the independent claim 9; a method for enhancing high voltage AC measurement accuracy at high frequencies having the step of configuring and locating the ungrounded conductive portion of the primary shield assembly relative to the resistor in a manner to enhance AC voltage measurement accuracy at high frequencies by virtue of high frequency compensation of the resistor through neutralization of stray capacitance to ground provided by a resultant pattern of voltage

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and capacitance gradients along the body of the resistor, as recited in the independent claim 18, and in combination of the claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vincent Q Nguyen whose telephone number is (571) 272-2234. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, N. Le can be reached on (571) 272-2233. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Vincent Q. Nguyen
Primary Examiner
Art Unit 2858

December 2, 2004